GPS Vehicle Tracking Software

User Manual

GGMAPTRACK_SB V2.1

Thank you for choosing our products. We will make every effort to your security

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I) Overview

GGMapTrack_SB is tracking software based on Google Earth. Working with a modem and PC, it could manage dozens of vehicles by GPRS/GSM.

PC works as a server and no running cost. ADSL internet connection supports this software. It has powerful functions:

- Locate
- Real time tracking
- Over speed alarm report
- Power alarm
- Parking alarm
- Listening in
- Fuel control
- History alarm report
- History trace display

It supports all of models including 101A, 101B, 007B and 201B.

It is suitable for small company or group to setup vehicle tracking system.

CONFIGURATION:

1) PC

Windows XP
Intel® Pentium® P4 2.4GHz
RAM 512M
2GB hard-disk space
3D-capable video card 32MB
1024X768,32-bit true color screen
ADSL

2) Modem: ETM-B

3) Software

GGMapTrack_SB
Map: Google Earth

II) Installation

There are three steps to use this software:

Step 1: Tracker
Step 2: Modem connect with pc
Step 3: Software installation

Please follow the guide to start:

2-1 Preparation

At first, please prepare the item as follow:

GPS tracker 1 pc

Two SIM cards: make sure SMS and GPRS service available and write down the numbers (card A and B)

Computer System (windows XP)

GGMapTrack_SB software package:

GTM Modem	1 pc
RS232 cable (white)	1 pc
RS232 to USB cable (blue)	1 pc
Adaptor	1 pc
Software CD	1 pc

2-2 Tracker

We need to make the tracker ready to work first. We give the steps here and refer the device manual for detail information.

Install SIM card →(**card A**)

Assemble antennas→

Power on→

Set master number and track→ OK!

2-3 Modem

For modem, what we need to do is to install the SIM card, connect it with PC and power on it at last.

2-3-1 Install SIM card

On the back of the modem, there's a cover with two screws. Screw them off and you will see the SIM card slot. Install the **Card B** to slot. Assemble the GSM antenna to the modem.

2-3-2 Modem Connect to PC

There's two data cable for user to select.

A) Connect with RS232 cable

We suggest RS232 cable, because it's simple for normal user. But if your computer is laptop or has no RS232 port, you need to connect the modem with RS232 to USB cable.

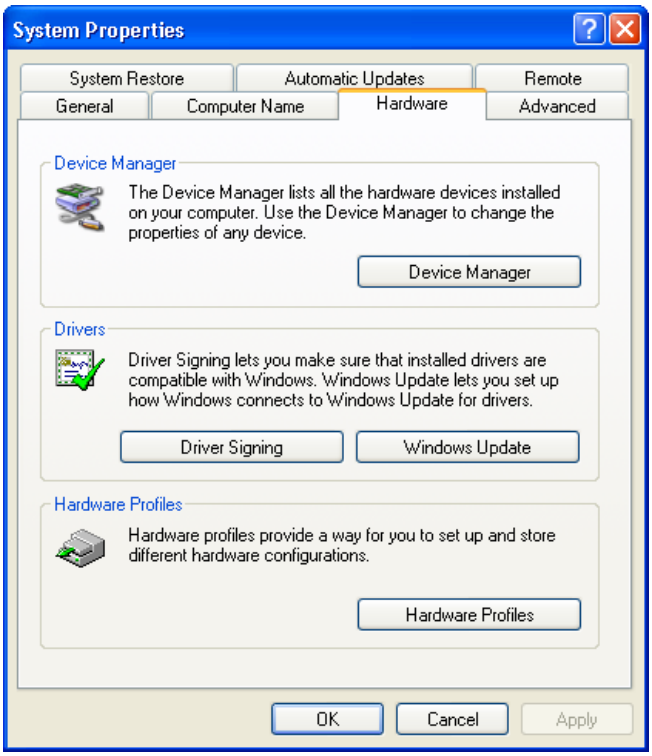
B) Connect with RS232 to USB cable

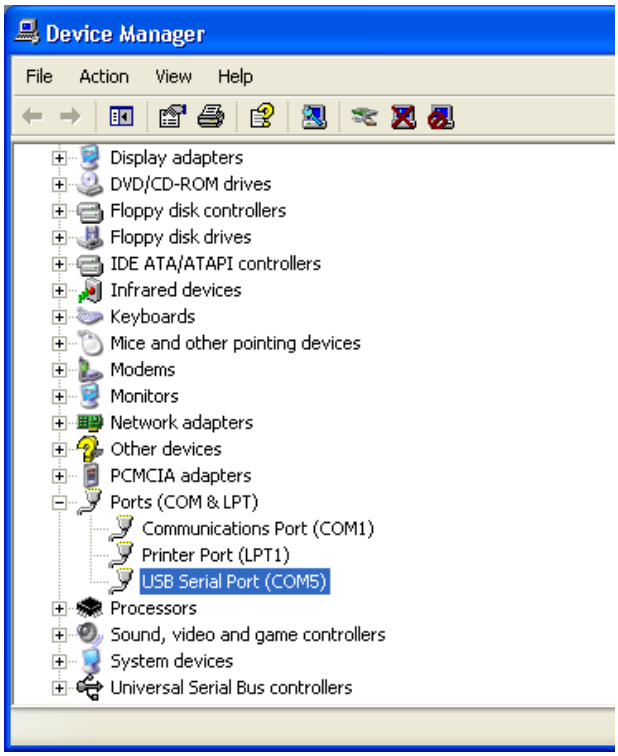
First, select a USB port to connect with the RS232 to USB cable.

Then the system will find new hardware and ask to install the driver for it. You could find the driver in the software CD.

Driver/usb2.0tors232/Driver for 98ME_2kXP_2003

After install the driver, you could check it in System Properties.


System Properties
System Restore
Automatic Updates
Remote
General
Computer Name
Hardware
Advanced
Device Manager
The Device Manager lists all the hardware devices installed on your computer. Use the Device Manager to change the properties of any device.
Device Manager
Drivers
Driver Signing lets you make sure that installed drivers are compatible with Windows. Windows Update lets you set up how Windows connects to Windows Update for drivers.
Driver Signing
Windows Update
Hardware Profiles
Hardware profiles provide a way for you to set up and store different hardware configurations.
Hardware Profiles
OK
Cancel
Apply



Ports (Com & LPT) category will show the USB COM port to you. **Well note the port number!** After you installed the driver, if you connect with the same USB port, the driver still works.

Use the same way to get the port number if you use the RS232 cable directly. Usually use COM1.

2-3-3 Power it on with adaptor.

2-4 Connect with internet

A) ADSL direct to PC

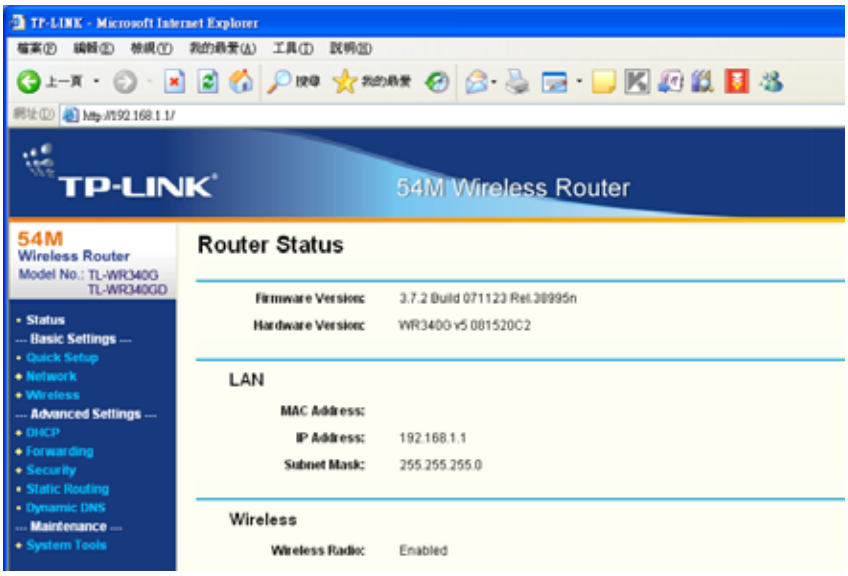
If your computer connects to internet directly, then you don't need this step.

B) ADSL with Router: Port Forwarding to 8868

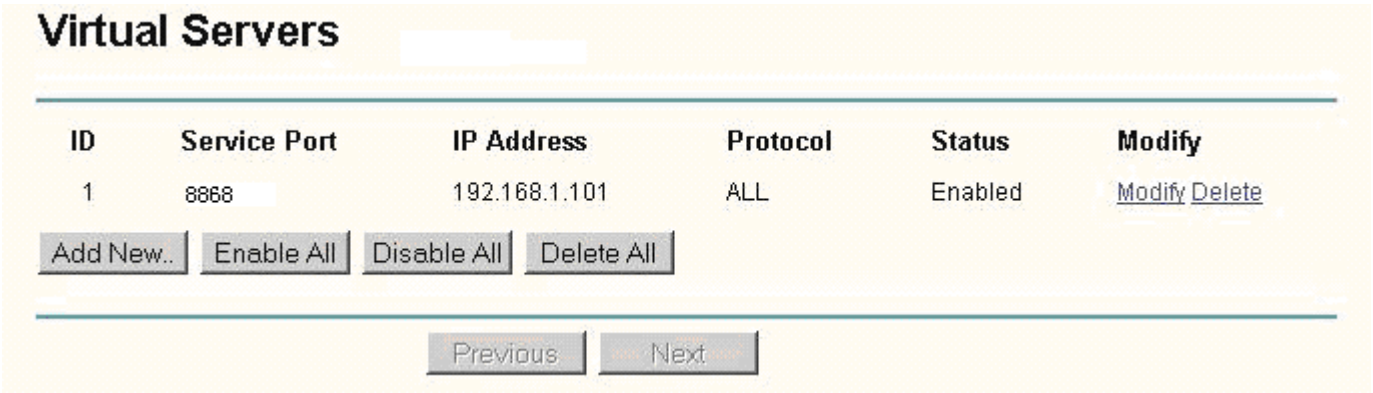
If you have a router, you should forward your local IP to port 8868. Because there are different brands of router, so we select on for a sample.

First, login in the router,

Second, select the **FORWARDING** function in main window.



Forwarding/Virtual Servers



Service Port - 8868

IP Address - 192.168.1.101 is your computer IP address

Protocol - **All** (all protocols Supported by the router).

Status - Enabled

Save the settings, then you finished port forwarding.

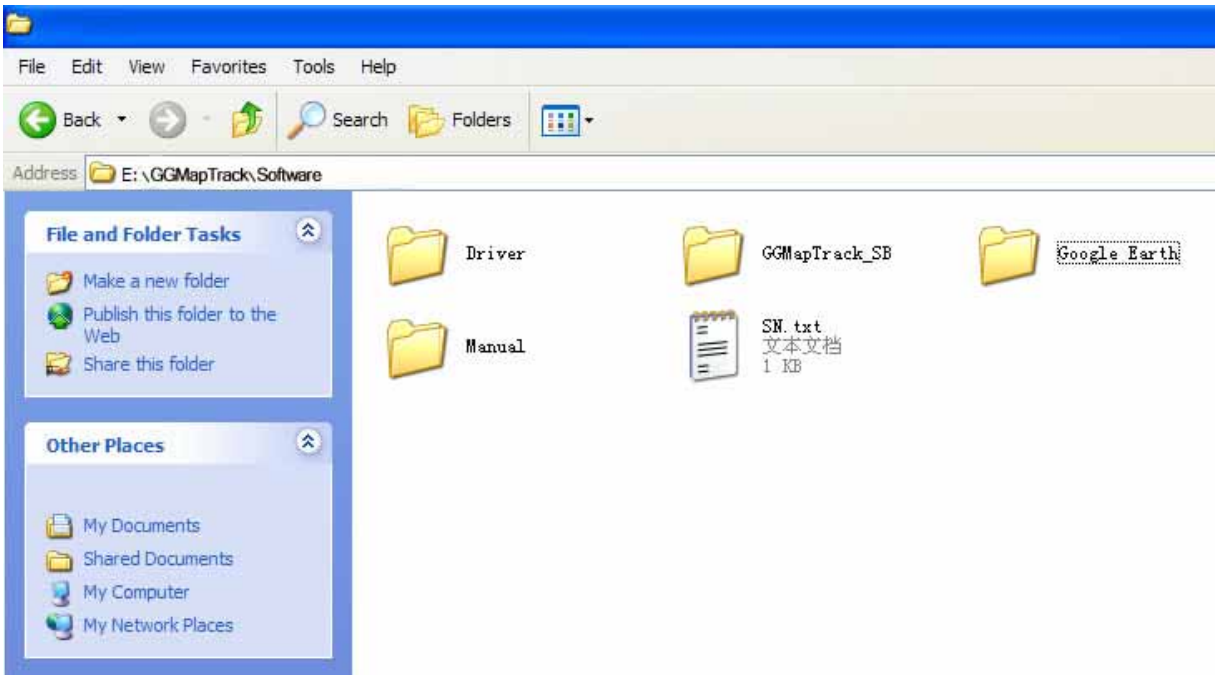
Note: This part is very important. Do it before you try to use the software!

2-5 software

All the hardware is ready. Let's begin software part.

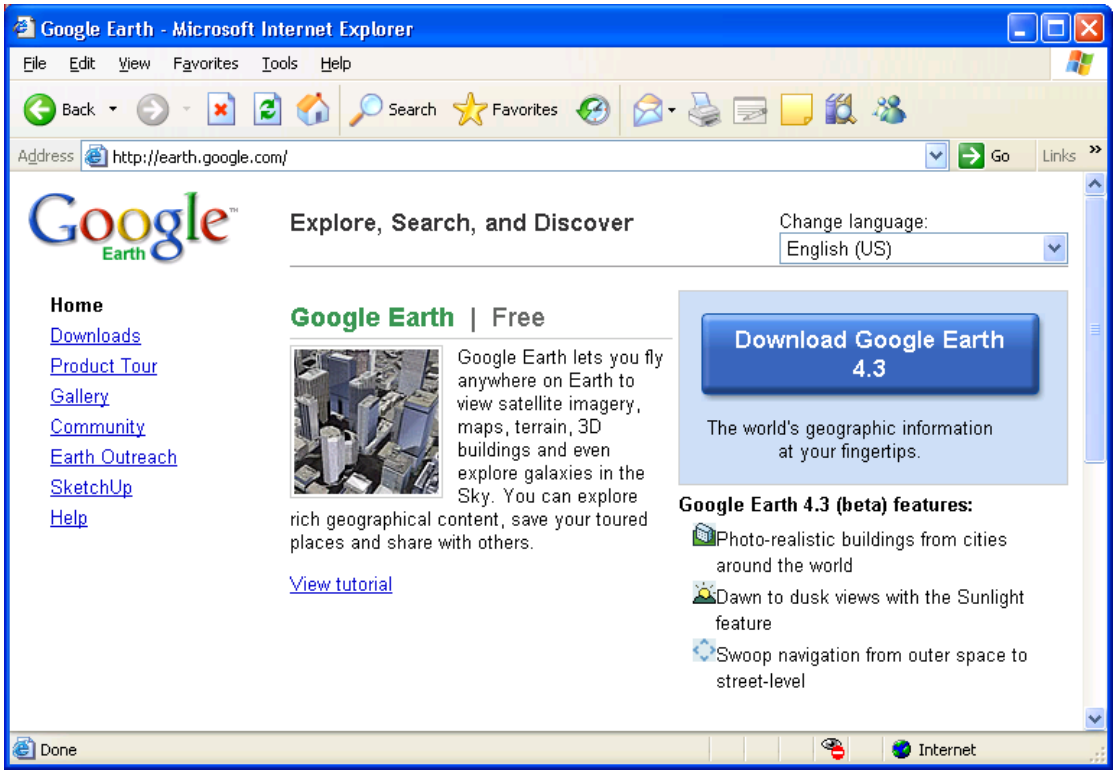
2-5-1 Copy software from CD

Please copy all the file and folder to computer hardware. **Don't run the program on the CD.**



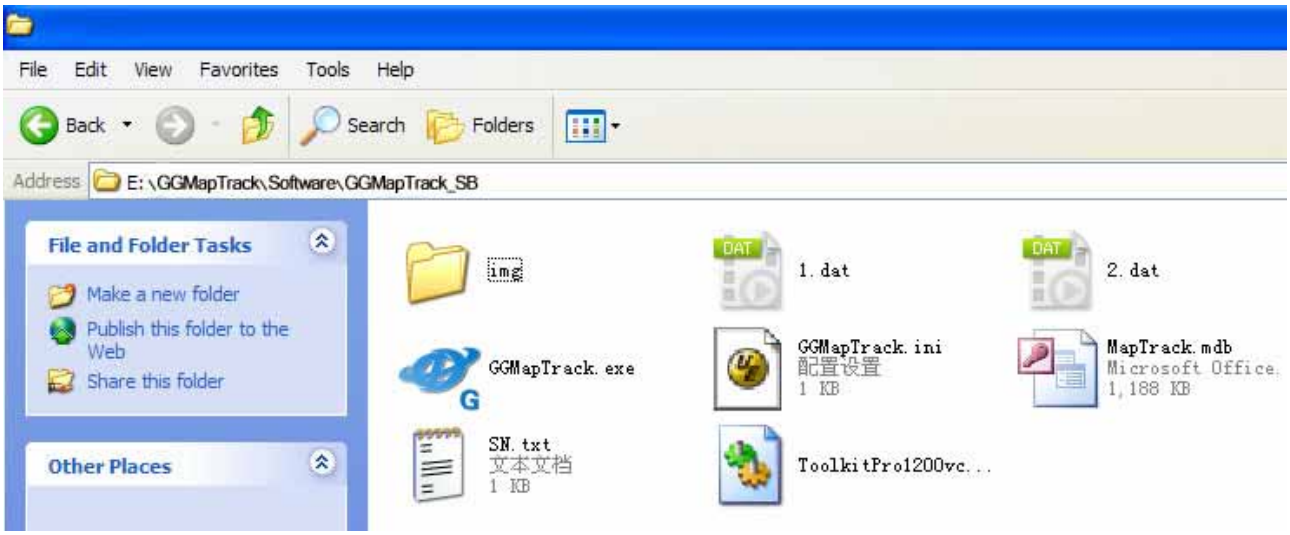
2-5-2 Install Google Earth

Select the Google Earth folder, to setup the Google Earth. User could download the setup file from http://earth.google.com/.

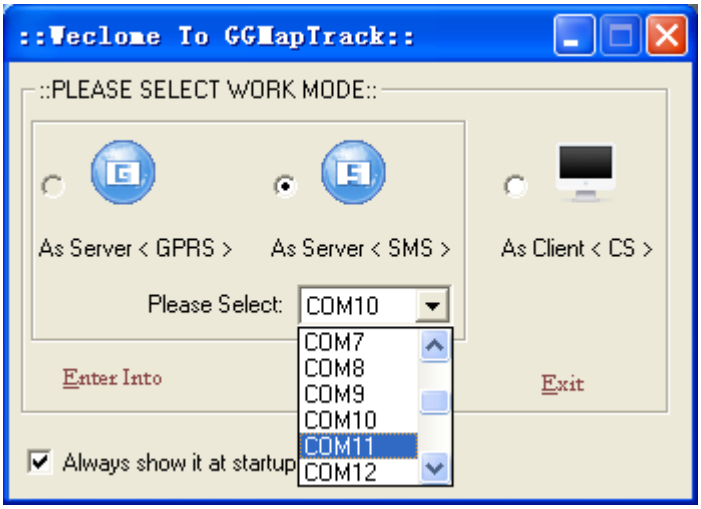

Google Earth - Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Search Favorites
Address http://earth.google.com/
Go Links
Google Earth
Explore, Search, and Discover
Change language:
English (US)
Home
Downloads
Product Tour
Gallery
Community
Earth Outreach
SketchUp
Help
Google Earth | Free
Google Earth lets you fly anywhere on Earth to view satellite imagery, maps, terrain, 3D buildings and even explore galaxies in the Sky. You can explore rich geographical content, save your toured places and share with others.
View tutorial
Download Google Earth 4.3
The world's geographic information at your fingertips.
Google Earth 4.3 (beta) features:
Photo-realistic buildings from cities around the world
Dawn to dusk views with the Sunlight feature
Swoop navigation from outer space to street-level
Done
Internet

If you had installed the Google Earth program, you don't need to install it again. But if the newest version does not work well with our software, please install the version in our CD.

2-5-3 Run GGMapTrack_SB



Double click the GGmaptrack.exe; you will see the login dialogue.

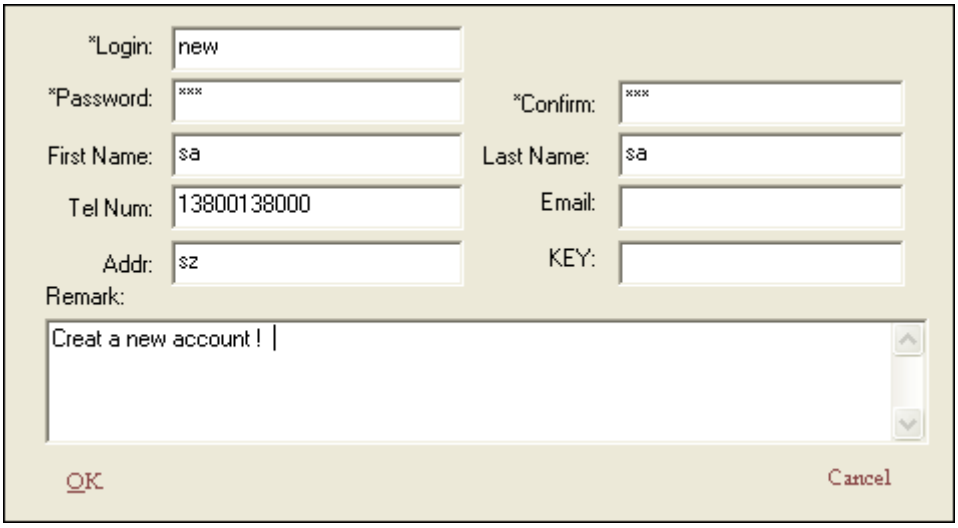


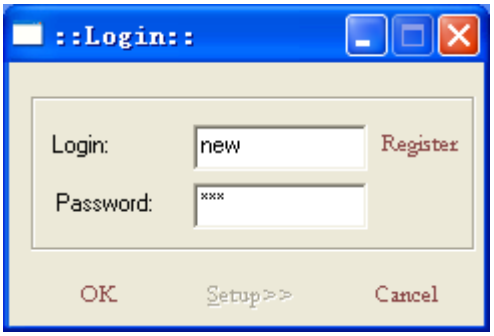
Please select the right COM port.

Don't know COM port? Refer to **2-3-2 Modem Connect to PC.**

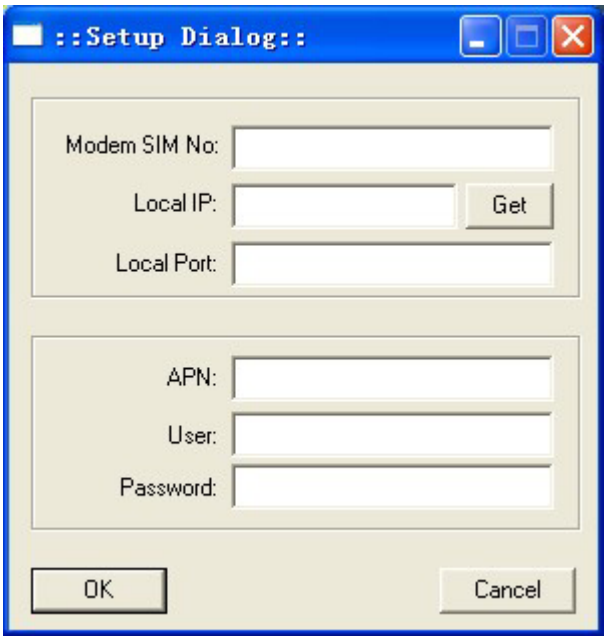
If selected the wrong port, you will get the tip as this. When you get it, please check the connection between the modem to PC. For more information, refer to F&Q.

2-5-4 Create a new account





2-5-5 Setup dialog



First run, you will see the setup dialog. User need to fill the item.
Modem SIM No: fill it with Card B number. Refer to

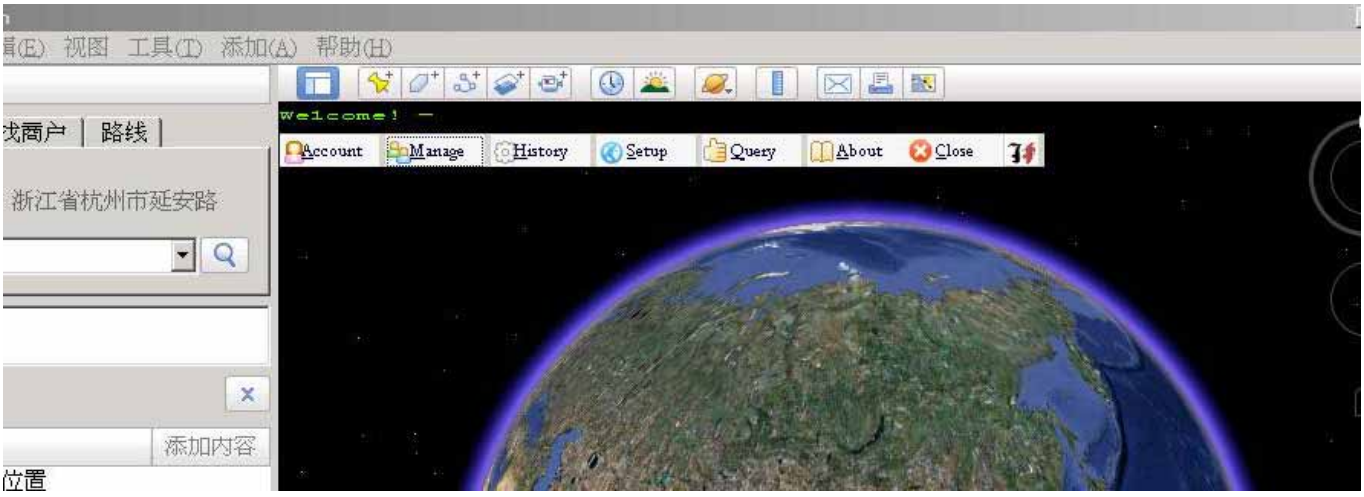
2-3-1

Local IP: fill it with 116.24.214.147
Local Port: 8868 （default）

APN, User and password, please fill them as the information provide by SIM card supplier or local operator.

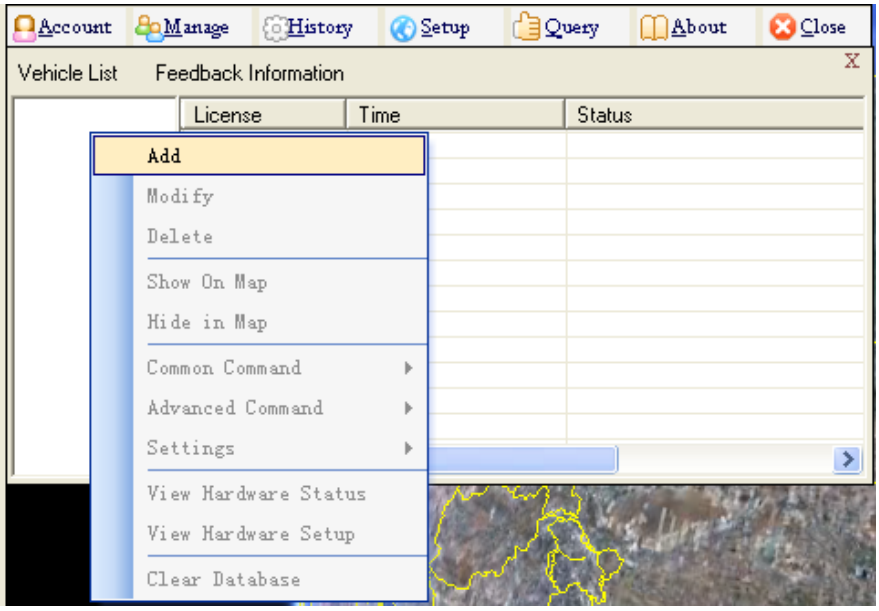
What is APN? Refer to F&Q

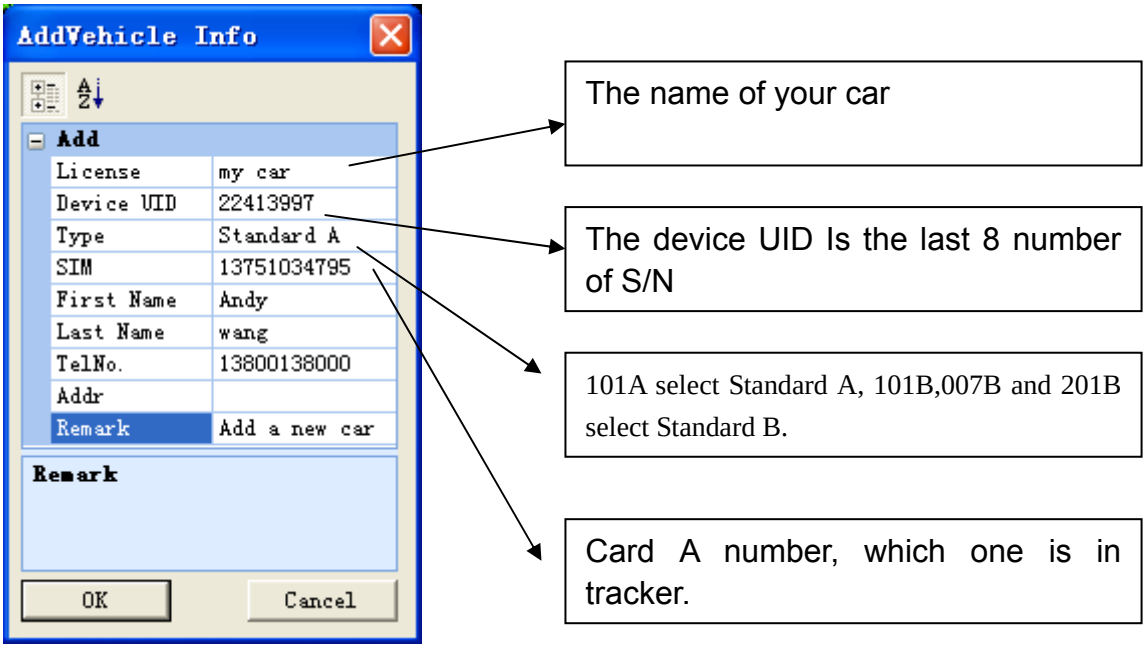
The press OK to finished software setup. Then you will see the window of the Google earth.



2-6 Add vehicles

Select Manage to open the **vehicle list,** right click in Vehicle List to add your car.





User should fill 4 items at least: License, Device UID, Type and SIM. Press OK, then you will see your car in vehicle list.

III) Function

View of the windows:

Account, Registered Information

ADD CAR, Located, Delete, Modify

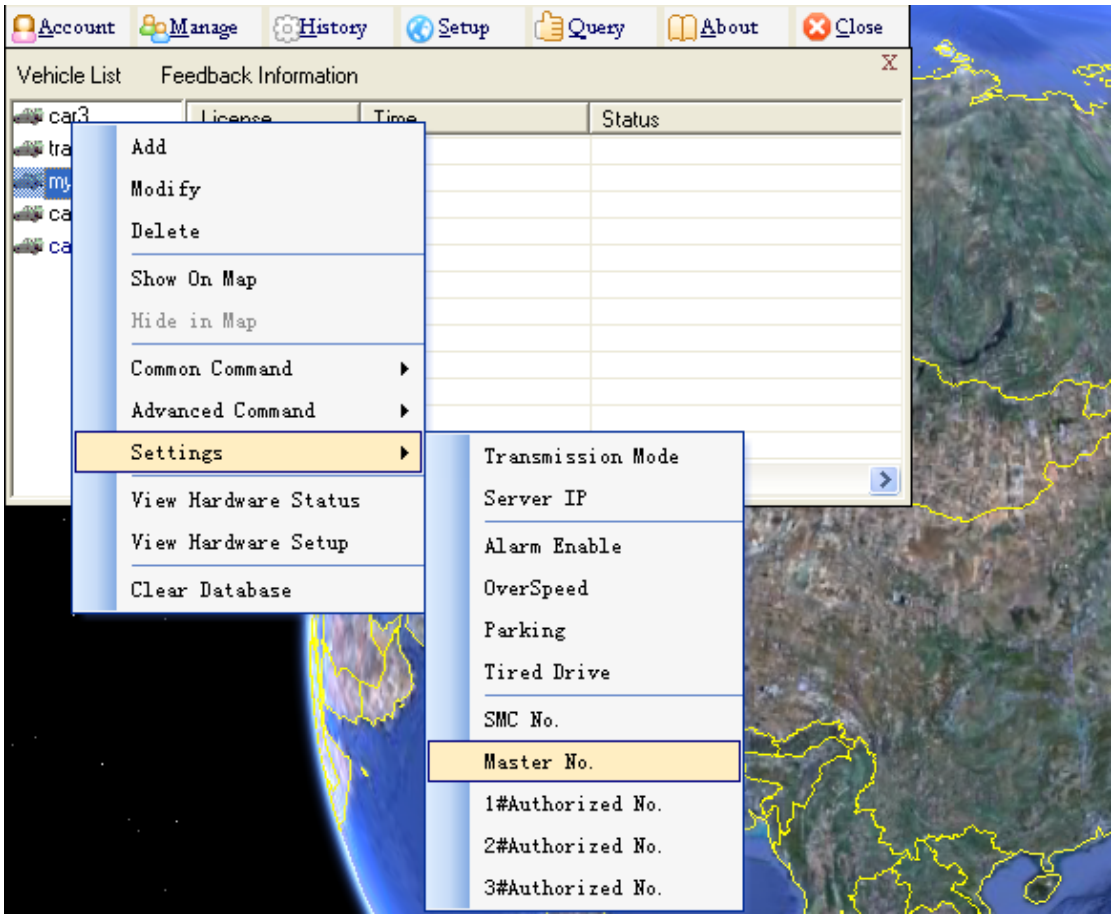
Track History, history tracking query and display on map

Alarm Report and Mileage Report, and Export the GPS history data.

GGMapTrack_SB Version

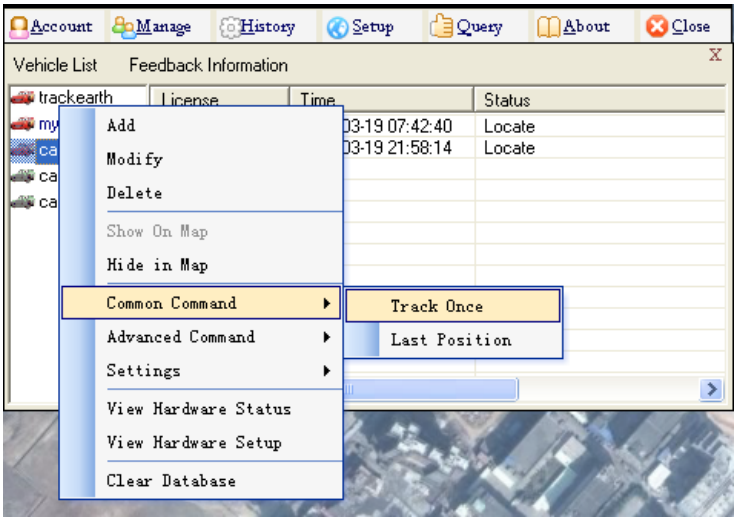
Close software

Select the car and right click to set or operating.



3-1 Locate

User could double click the car name is vehicle list to locate the car. The map will zoom in and show the position of the car. Same operation is to right click select **common command/track once.**

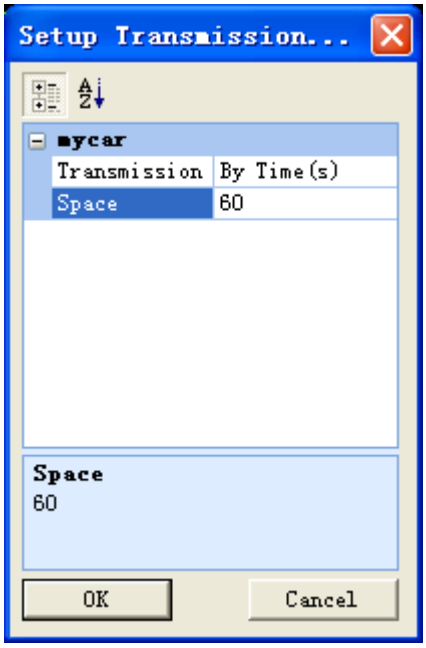


Maybe you see the last position selection. It is for some place which has no GPS signal, user could track the last position.

3-2 Real time tracking

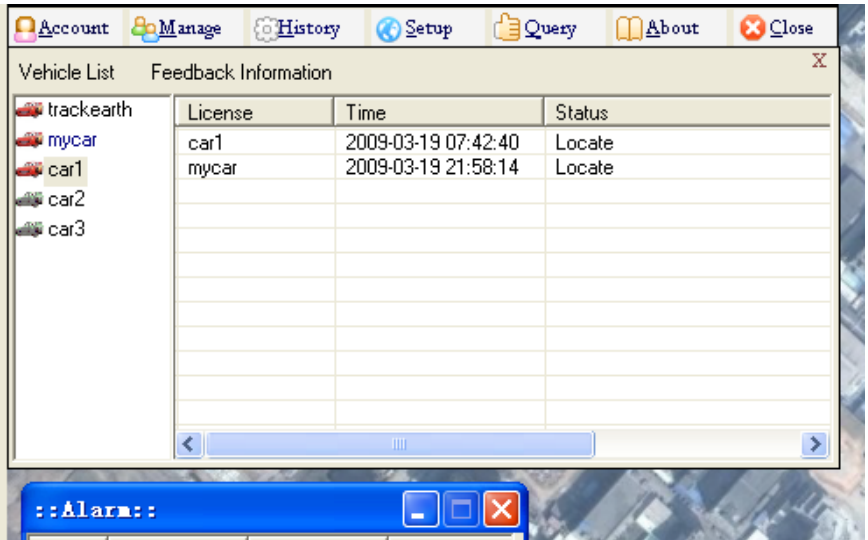
User could real time track one vehicle. First, he need select one car. Then open the **setting/transmission mode.** User could set the interval here. There are three options: by distance, by time and stop.

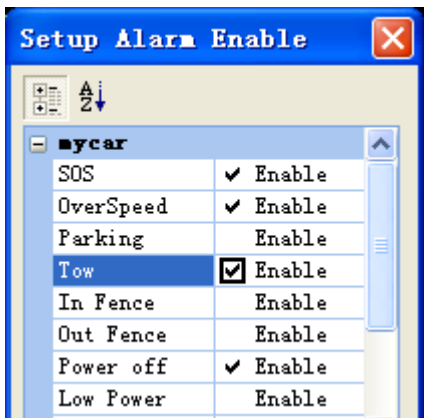
By time: interval is time, seconds
By distance: interval meters (only 101B,007B and 201B support)
Stop: stop real time tracking
For example: every 60 seconds send back the position information as the picture.



3-3 Alarm Settings

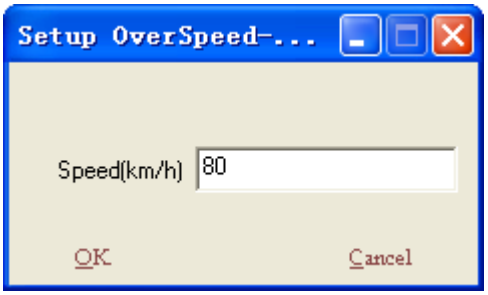
When there's alarm report, the software will show the alarm window on screen.

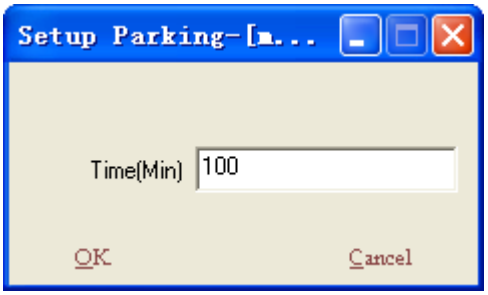




User could enable or disable these alarm report in the Alarm enable window.

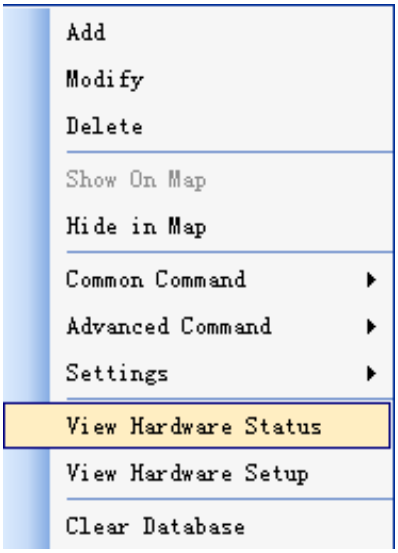
To set the parameter of over speed, parking:

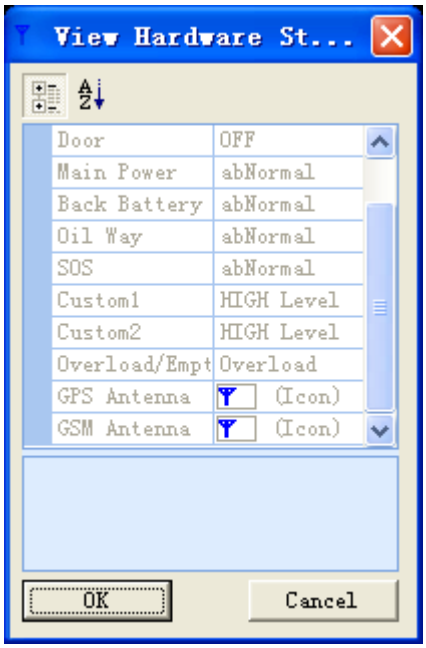




3-4 other settings

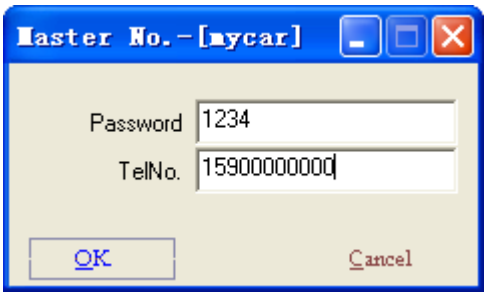
3-4-1 Hardware status

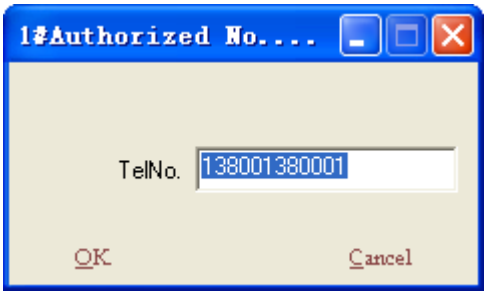




3-4-2 Master number and slave number

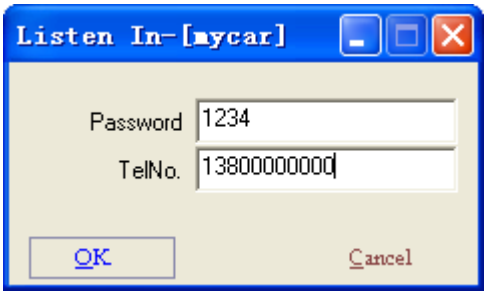
To use the software to track, user still could use the SMS function with his cell phone. He could set his cell phone number as the master number or authorized number. But to do that after confirm the software is working.





3-5 Listening in

This function is important that user could use any cell phone or fixed phone to listening in the car. But the password of tracker is

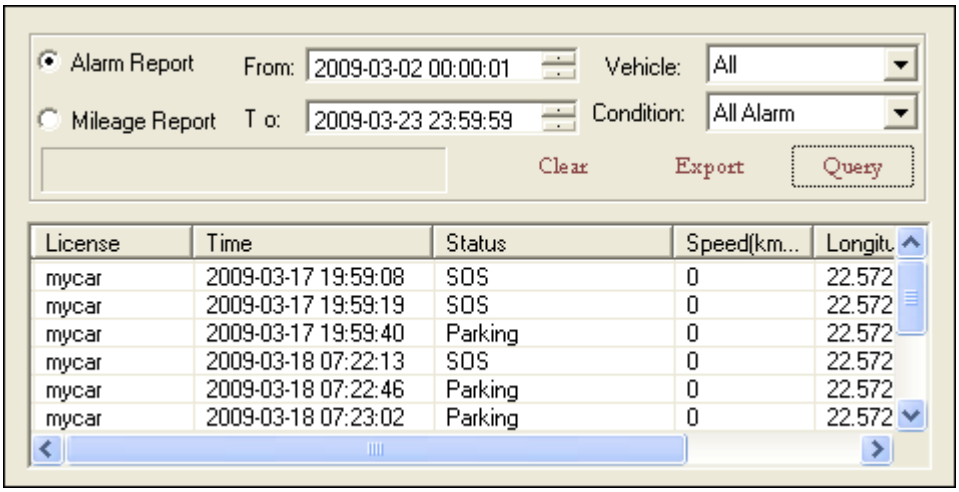


3-6 Fuel control

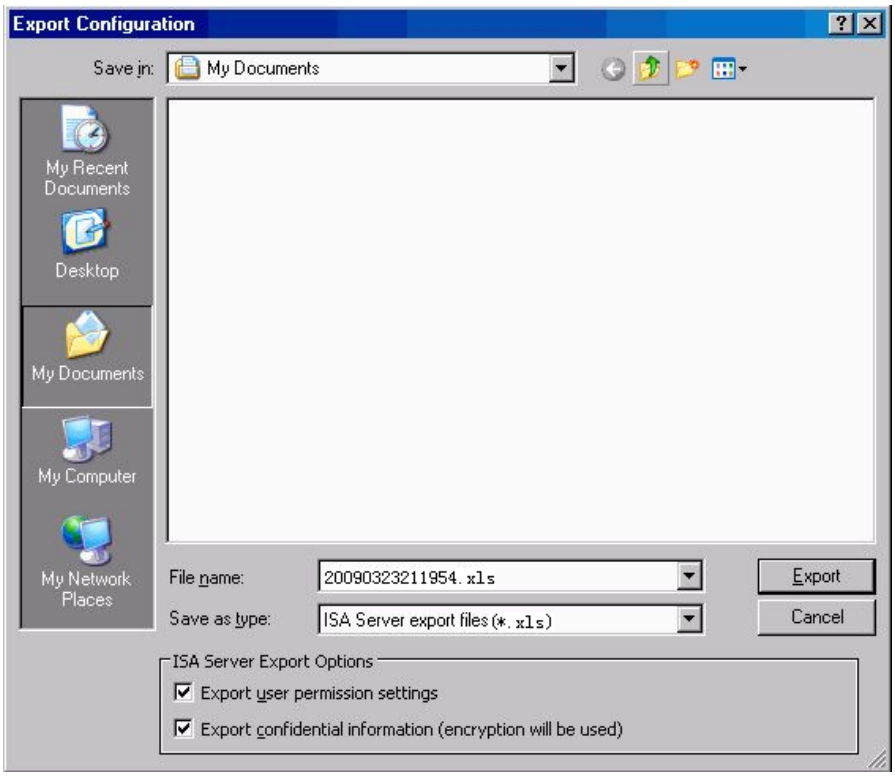
This function is use to stop the running car or disable car engine. Fuel off will stop the engine, fuel on will enable it.

Notice: it's dangerous to stop a running car!

3-7 History alarm report

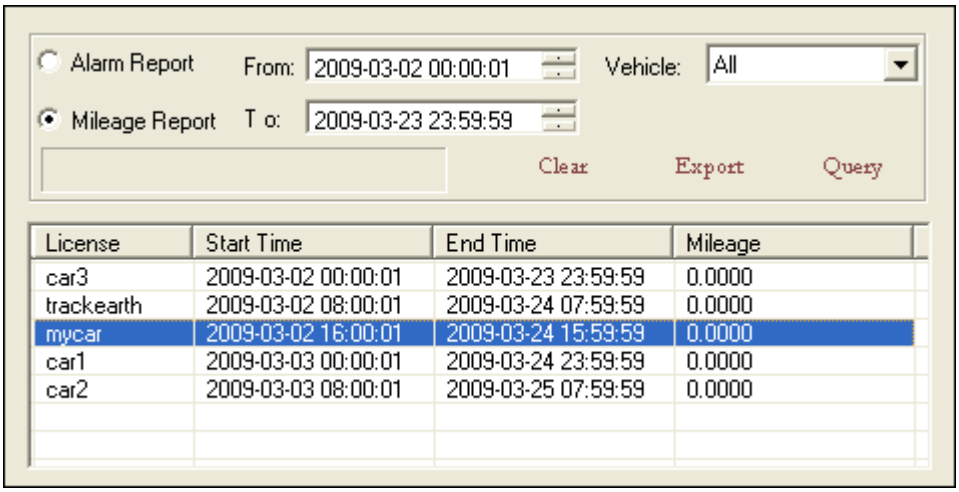


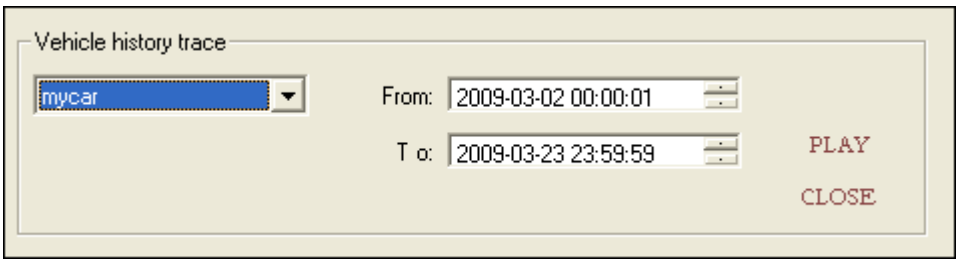
Select time to Query



Alarm Report to Export

3-8 History trace display





Start、 Pause、 Stop

Track history; select your car and time to operation.

IV) F&Q

1) COM Init error! Please check your hardware!

If you get this tip, please check as below:

1. GSM modem has no power
2. Connection between GSM modem and PC, reconnect the cables
3. RS232-USB cable driver, reinstall this driver.
4. Wrong COM PORT you selected
5. Restart the software.

Please note: you should run the software after the modem is powered on.